

“On-Glass”[®] Unity Gain Window Mount Antennas

These antennas feature patented “On-Glass”[®] technology that permits RF transmission and reception through glass. They utilize DUO-BOND™ mounting that permits installation without holes, providing a complete seal against moisture and long lasting holding power.



Features

- Unique - patented “On-Glass”[®] technology transmits and receives through glass
- Efficient - DUO-BOND™ mounting method allows no-hole installation in minutes, with long-lasting holding power
- Weather Proof - water cannot enter vehicle through gasket failure or cable channels
- Effective - mounts high in the vehicle for optimal omnidirectional coverage
- Convenient - whip is easily adjustable to vertical position and is removable for car wash clearance
- Disguise cellular look-alike models available for covert public safety applications

Antenna Electrical Specifications

| Model | Frequency Range | Gain |
|----------|-----------------|-------|
| APR153 | 150-174 MHz | Unity |
| APR152.3 | 150-174 MHz | Unity |
| AP454.3 | 410-512 MHz | Unity |
| AP455 | 440-470 MHz | Unity |



Technical Data

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| Maximum Power: 50 watts |
| Normal Impedance: 50 ohms |
| VSWR: < 1.5:1 |
| Radiator Material: Stainless steel, black DURA-COAT™ finish 17-7PH stainless steel encapsulated phasing coil (AP454.5) |
| Coax Cable: (if included): 15 ft RG-58/U |
| Required Mounting Footprint: 1.75” square (APR models) |
| Coupling Unit: DC grounded, shunt-fed |
| Mounting Method: “On-Glass” [®] mount with black DURA-COAT™ finish and stainless steel hardware and plastic ABS cover |

Mechanical Specifications

| Model | Connector | Antenna Height from Mounting Surface | Rod Type |
|----------|-------------------|--------------------------------------|---------------|
| APR153 | PL-259 attached | 19.8” perpendicular | Open Coil |
| APR152.3 | PL-259 attached | 23.7” perpendicular | Straight Whip |
| AP454.3 | UHF male on cable | 8” | Straight |
| AP455 | UHF male on cable | 18” | Coil |